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## Patent Abstracts of Japan

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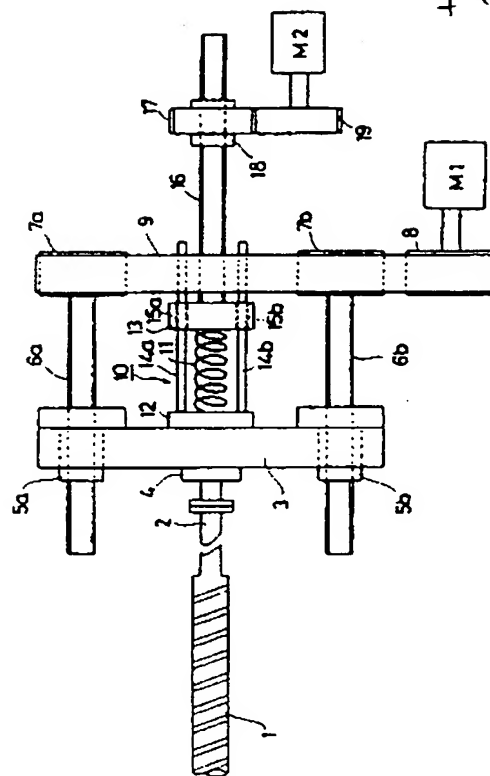
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APPLICATION NUMBER : 59190474

APPLICANT : FANUC LTD;

INVENTOR : YAMAMURA MASATO;

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TITLE : INJECTION MECHANISM WITH  
ACCUMULATOR



ABSTRACT : PURPOSE: To obtain stable accumulator effects always by providing an accumulator position collecting device that moves and collects in the direction of a screw shaft the position of an accumulator for compressing a pressure plate.

CONSTITUTION: When a metering process is finished and the screw 1 is returned to the injection starting position, the ball screw 16 is driven by the servo motor M2 to compress the spring 11 by the plate 13 and compress the pressure plate 3 by repulsion force through the operating plate 12. The screw 16 is advanced up to the advancing position corresponding to a set metering amount and stops the motor M2. When the plate 3 is advanced for injection by the servo motor M1 through the ball screw 6, the nut 5, the repulsion force accumulated in the spring 11 is piled up instantaneously, the plate 3 and the screw 1 are moved at a high speed, at a high pressure for injection. Thereby, constant accumulator effects can be obtained at all times.

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